



**ANDEROL 5680 XEP** is a synthetic based, high performing gear lubricant to be used in industrial equipment. It was formulated to withstand heavy loads and severe conditions resulting in very good micro pitting resistance. The PAO based product gives superior advantages to the mineral oil based products, especially with regards to low pour point, oxidation stability and energy consumption.

**ANDEROL 5000 XEP** range is available in the grades ISO VG 150, 220, 320, 460, 680 and 1000.

Meets or exceeds the requirements of:

ANSI/AGMA 9005 (table 3)

AISE 224 (formerly USS 224)

DIN 51.517

### ADVANTAGES / BENEFITS

- Excellent oxidation and thermal stability
- Wide operating temperature range
- Lower maintenance costs
- Excellent load carrying ability
- Extended lubricant life
- Improved cleanliness
- Excellent anti wear & EP properties
- Very good rust and copper corrosion prevention
- Compatible with petroleum oils, therefore allowing minimal effort to changeover

### COMPATIBILITY

The following seals, paints and plastics are recommended for use in contact with Anderol Company Synthetic Lubricants. Materials not recommended are also shown. For more information on other materials see our 'Compatibility Guide':

#### RECOMMENDED :

Viton, High Nitrile Buna N, Teflon, Epoxy Paint, Oil-Resistant Alkyd, Nylon, Delrin, Celcon, PBT

#### NOT RECOMMENDED:

Neoprene, SBR Rubber, Low Nitrile Buna N, Acrylic Paint, Lacquer, Polystyrene, PVC, ABS

### APPLICATION

- Particularly suited for gear applications exposed to extreme service conditions
- All types of enclosed gear drives
- Bearings, including plain rolling elements and antifriction types
- Enclosed gear cases and speed reducers

### APPROVALS

- Flender
- Rossi Motoriduttori

PROPERTIES	TEST METHOD	ANDEROL 5680 XEP
Appearance @ 20°C	visual	Clear Yellow Liquid
Viscosity @ 40°C, cSt	ASTM D-445	642.7
Viscosity @ 100°C, cSt	ASTM D-445	60.8
Viscosity Index	ASTM D-2270	163
Density @ 15°C, kg/l	ASTM D-1298	0.910
Total Acid Number, mg KOH/g	ASTM D-664	0.5
Flash Point, °C	ASTM D-92	245
Pour Point, °C	ASTM D-97	-36
Foam , Sequence I,II ml	ASTM-892	10
Micro pitting Resistance Test	FVA,54/11	High
FZG Gear Test, Pass Stage	DIN/ISO 14635-1	14
FE-8 Industrial Gear requirements	DIN 51819 T1-T3	
* Bearing Lubrication Test J1 (FAG Step I)		Pass
* Bearing Lubrication Test J2 (FAG Step II)		Pass
FAG Wind Power requirements		
* Wind power Level 3 Test L11 (FAG Step III)		Pass
* Oil suitability for Wind Energy Plant Applications (FAG Step IV)		Pass
Four Ball Wear, 1200 rpm, 75°C, 40 kg		0.55
Four Ball Weld, kg		250

FOR MORE INFORMATION PLEASE REFER TO THE RELEVANT MATERIAL SAFETY DATA SHEET

### APPROVALS / REGISTRATIONS



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**ANDEROL®**

Specialty Lubricants